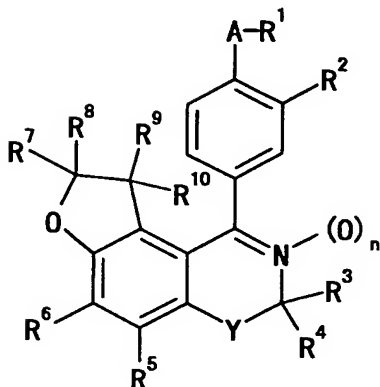


CLAIMS

1. A compound represented by the formula



wherein A represents (1) a bond, (2) a group represented by
 5 the formula $-CR^a=CR^b-$ (R^a and R^b each represent a hydrogen atom or
 a C_{1-6} alkyl group), (3) a group represented by the formula $-(CONH)_p-(C(R^c)(R^d))_q-$ (R^c and R^d each represent a hydrogen atom or a
 C_{1-6} alkyl group, p represents 0 or 1 and q represents 1 or 2), (4)
 a group represented by the formula $-CH_2OCH_2-$ or (5) a group
 10 represented by the formula $-OCH_2-$;

R^1 represents (1) a cyano group or (2) an optionally
 esterified or amidated carboxyl group;

R^2 represents (1) a hydrogen atom, (2) an optionally
 substituted hydroxy group, (3) an optionally substituted amino
 15 group, (4) an optionally substituted alkyl group, (5) an
 optionally esterified or amidated carboxyl group or (6) a nitro
 group, or R^2 and A or R^1 may be taken together with the adjacent
 carbon atom to form a ring;

R^3 and R^4 each represent (1) a hydrogen atom, (2) an
 20 optionally substituted hydrocarbon group or (3) an acyl group, or
 R^3 and R^4 may be taken together with the adjacent carbon atom to
 form an optionally substituted 3- to 8-membered ring;

R^5 represents (1) a hydrogen atom, (2) a cyano group, (3) an
 optionally substituted hydrocarbon group, (4) an acyl group or (5)
 25 an optionally substituted hydroxy group;

R^6 represents (1) a hydrogen atom, (2) an optionally
 substituted hydrocarbon group, (3) an acyl group, (4) an

optionally substituted heterocyclic group, (5) a halogen atom, (6) an optionally substituted hydroxy group, (7) an optionally substituted thiol group, (8) a group represented by the formula -S(O)_rR¹¹ (R¹¹ represents an optionally substituted hydrocarbon group or an optionally substituted heterocyclic group and r is 1 or 2) or (9) an optionally substituted amino group;

R⁷ and R⁸ each represent (1) a hydrogen atom or (2) an optionally substituted hydrocarbon group, or R⁷ and R⁸ may be taken together with the adjacent carbon atom to form an optionally substituted 3- to 8-membered ring;

R⁹ and R¹⁰ each represent (1) a hydrogen atom or (2) an optionally substituted hydrocarbon group;

Y represents an optionally substituted methylene group; and n represents 0 or 1,

provided that if A is a bond, R² is not a hydrogen atom, and if A is a group represented by the formula -(CONH)_p-(C(R^c)(R^d))_q- (R^c and R^d each represent a hydrogen atom or a C₁₋₆ alkyl group, p represents 0 or 1 and q represents 1 or 2), R⁶ is not methoxy, or a salt thereof.

2. The compound according to claim 1, wherein R¹ is (i) a cyano group, (ii) a carboxyl group, (iii) a C₁₋₆ alkoxy-carbonyl group which may have 1 to 5 substituents selected from a group consisting of (1) a halogen atom, (2) a C₁₋₃ alkylenedioxy group, (3) a nitro group, (4) a cyano group, (5) an optionally halogenated C₁₋₆ alkyl group, (6) an optionally halogenated C₂₋₆ alkenyl group, (7) an optionally halogenated C₂₋₆ alkynyl group, (8) a C₃₋₈ cycloalkyl group, (9) a C₆₋₁₄ aryl group, (10) an optionally halogenated C₁₋₆ alkoxy group, (11) an optionally halogenated C₁₋₆ alkylthio group, (12) a hydroxy group, (13) an amino group, (14) a mono-C₁₋₆ alkylamino group, (15) a mono-C₆₋₁₄ arylamino group, (16) a di-C₁₋₆ alkylamino group, (17) a di-C₆₋₁₄ arylamino group, (18) an acyl group selected from formyl, carboxyl, carbamoyl, C₁₋₆ alkyl-carbonyl, C₃₋₈ cycloalkyl-carbonyl, C₁₋₆ alkoxy-carbonyl, C₆₋₁₄ aryl-carbonyl, C₇₋₁₆ aralkyl-carbonyl, C₆₋₁₄

aryloxy-carbonyl, C₇₋₁₆ aralkyloxy-carbonyl, 5- or 6-membered
 heterocyclic carbonyl containing 1 to 3 hetero atoms selected from
 a nitrogen atom, a sulfur atom and an oxygen atom in addition to
 carbon atoms, mono-C₁₋₆ alkyl-carbamoyl, di-C₁₋₆ alkyl-carbamoyl,
 5 mono-C₆₋₁₄ aryl-carbamoyl, di-C₆₋₁₄ aryl-carbamoyl, 5- or 6-membered
 heterocyclic carbamoyl containing 1 to 3 hetero atoms selected
 from a nitrogen atom, a sulfur atom and an oxygen atom in addition
 to carbon atoms, C₁₋₆ alkyl-thiocarbonyl, C₃₋₈ cycloalkyl-
 thiocarbonyl, C₁₋₆ alkoxy-thiocarbonyl, C₆₋₁₄ aryl-thiocarbonyl, C₇₋₁₆
 10 aralkyl-thiocarbonyl, C₆₋₁₄ aryloxy-thiocarbonyl, C₇₋₁₆ aralkyloxy-
 thiocarbonyl, 5- or 6-membered heterocyclic thiocarbonyl
 containing 1 to 3 hetero atoms selected from a nitrogen atom, a
 sulfur atom and an oxygen atom in addition to carbon atoms,
 thiocarbamoyl, mono-C₁₋₆ alkyl-thiocarbamoyl, di-C₁₋₆ alkyl-
 15 thiocarbamoyl, mono-C₆₋₁₄ aryl-thiocarbamoyl, di-C₆₋₁₄ aryl-
 thiocarbamoyl, 5- or 6-membered heterocyclic thiocarbamoyl
 containing 1 to 3 hetero atoms selected from a nitrogen atom, a
 sulfur atom and an oxygen atom in addition to carbon atoms,
 sulfamoyl, mono-C₁₋₆ alkylsulfamoyl, di-C₁₋₆ alkylsulfamoyl, C₆₋₁₄
 20 arylsulfamoyl, C₁₋₆ alkylsulfonyl, C₆₋₁₄ arylsulfonyl, C₁₋₆
 alkylsulfinyl, C₆₋₁₄ arylsulfinyl, sulfinio, sulfo, C₁₋₆
 alkoxysulfinyl, C₆₋₁₄ aryloxysulfinyl, C₁₋₆ alkoxysulfonyl and C₆₋₁₄
 aryloxysulfonyl, (19) an acylamino group selected from formylamino,
 C₁₋₆ alkyl-carboxamide, C₆₋₁₄ aryl-carboxamide, C₁₋₆ alkoxy-
 25 carboxamide, C₁₋₆ alkylsulfonylamino and C₆₋₁₄ arylsulfonylamino,
 (20) an acyloxy group selected from C₁₋₆ alkyl-carbonyloxy, C₆₋₁₄
 aryl-carbonyloxy, C₁₋₆ alkoxy-carbonyloxy, mono-C₁₋₆ alkyl-
 carbamoyloxy, di-C₁₋₆ alkyl-carbamoyloxy, mono-C₆₋₁₄ aryl-
 carbamoyloxy, di-C₆₋₁₄ aryl-carbamoyloxy and nicotinoyloxy, (21) a
 30 5- to 14-membered heterocyclic group containing 1 to 4 hetero
 atoms selected from a nitrogen atom, a sulfur atom and an oxygen
 atom in addition to carbon atoms, (22) a phosphono group, (23) a
 C₆₋₁₄ aryloxy group, (24) a di-C₁₋₆ alkoxy-phosphoryl group, (25) a
 C₆₋₁₄ arylthio group, (26) a hydrazino group, (27) an imino group,
 35 (28) an oxo group, (29) an ureido group, (30) a C₁₋₆ alkyl-ureido

group, (31) a di-C₁₋₆ alkyl-ureido group, (32) an oxide group and (33) a group formed by binding of 2 or 3 groups selected from (1) to (32) listed above and the like (hereinafter, abbreviated as Substituent group A), (iv) a C₃₋₈ cycloalkyloxy-carbonyl group
 5 which may have 1 to 5 substituents selected from Substituent group A described above, (v) a C₇₋₁₆ aralkyloxy-carbonyl group which may have 1 to 5 substituents selected from Substituent group A described above, (vi) a C₆₋₁₄ aryloxy-carbonyl group which may have 1 to 5 substituents selected from Substituent group A described
 10 above, (vii) a carbamoyl group, (viii) a mono-C₁₋₆ alkyl-carbamoyl group which may have 1 to 5 substituents selected from Substituent group A described above, (ix) a di-C₁₋₆ alkyl-carbamoyl group which may have 1 to 5 substituents selected from Substituent group A described above, (x) a mono-C₆₋₁₄ aryl-carbamoyl group which may
 15 have 1 to 5 substituents selected from Substituent group A described above or (xi) a di-C₆₋₁₄ aryl-carbamoyl group which may have 1 to 5 substituents selected from Substituent group A described above,

R² is (i) a hydrogen atom, (ii) a group represented by the
 20 formula -OR¹² (R¹² represents (a) a hydrogen atom, (b) a C₁₋₆ alkyl group, C₂₋₆ alkenyl group, C₂₋₆ alkynyl group, C₃₋₈ cycloalkyl group, C₃₋₈ cycloalkenyl group, C₆₋₁₄ aryl group or C₇₋₁₆ aralkyl group, each of which may have 1 to 5 substituents selected from Substituent group A described above, or (c) an acyl group selected from formyl,
 25 carbamoyl, C₁₋₆ alkyl-carbonyl, C₃₋₈ cycloalkyl-carbonyl, C₁₋₆ alkoxy-carbonyl, C₆₋₁₄ aryl-carbonyl, C₇₋₁₆ aralkyl-carbonyl, C₆₋₁₄ aryloxy-carbonyl, C₇₋₁₆ aralkyloxy-carbonyl, 5- or 6-membered heterocyclic carbonyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to
 30 carbon atoms, mono-C₁₋₆ alkyl-carbamoyl, di-C₁₋₆ alkyl-carbamoyl, mono-C₆₋₁₄ aryl-carbamoyl, di-C₆₋₁₄ aryl-carbamoyl, 5- or 6-membered heterocyclic carbamoyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, C₁₋₆ alkyl-thiocarbonyl, C₃₋₈ cycloalkyl-
 35 thiocarbonyl, C₁₋₆ alkoxy-thiocarbonyl, C₆₋₁₄ aryl-thiocarbonyl, C₇₋₁₆

aralkyl-thiocarbonyl, C₆₋₁₄ aryloxy-thiocarbonyl, C₇₋₁₆ aralkyloxy-thiocarbonyl, 5- or 6-membered heterocyclic thiocarbonyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms,

5 thiocarbamoyl, mono-C₁₋₆ alkyl-thiocarbamoyl, di-C₁₋₆ alkyl-thiocarbamoyl, mono-C₆₋₁₄ aryl-thiocarbamoyl, di-C₆₋₁₄ aryl-thiocarbamoyl, 5- or 6-membered heterocyclic thiocarbamoyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms,

10 sulfamoyl, mono-C₁₋₆ alkylsulfamoyl, di-C₁₋₆ alkylsulfamoyl, C₆₋₁₄ arylsulfamoyl, C₁₋₆ alkylsulfonyl, C₆₋₁₄ arylsulfonyl, C₁₋₆ alkylsulfinyl, C₆₋₁₄ arylsulfinyl, C₁₋₆ alkoxy-sulfinyl, C₆₋₁₄ aryloxysulfinyl, C₁₋₆ alkoxy-sulfonyl and C₆₋₁₄ aryloxysulfonyl, which may have 1 to 5 substituents selected from Substituent group

15 A described above), (iii) a group represented by the formula - NR¹³R¹⁴ (R¹³ and R¹⁴ are each (i') a hydrogen atom, (ii') a C₁₋₆ alkyl group, C₂₋₆ alkenyl group, C₂₋₆ alkynyl group, C₃₋₈ cycloalkyl group, C₃₋₈ cycloalkenyl group, C₆₋₁₄ aryl group or C₇₋₁₆ aralkyl group, each of which may have 1 to 5 substituents selected from Substituent

20 group A described above, (iii') an acyl group selected from formyl, carbamoyl, C₁₋₆ alkyl-carbonyl, C₃₋₈ cycloalkyl-carbonyl, C₁₋₆ alkoxy-carbonyl, C₆₋₁₄ aryl-carbonyl, C₇₋₁₆ aralkyl-carbonyl, C₆₋₁₄ aryloxy-carbonyl, C₇₋₁₆ aralkyloxy-carbonyl, 5- or 6-membered heterocyclic carbonyl containing 1 to 3 hetero atoms selected from

25 a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, mono-C₁₋₆ alkyl-carbamoyl, di-C₁₋₆ alkyl-carbamoyl, mono-C₆₋₁₄ aryl-carbamoyl, di-C₆₋₁₄ aryl-carbamoyl, 5- or 6-membered heterocyclic carbamoyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition

30 to carbon atoms, C₁₋₆ alkyl-thiocarbonyl, C₃₋₈ cycloalkyl-thiocarbonyl, C₁₋₆ alkoxy-thiocarbonyl, C₆₋₁₄ aryl-thiocarbonyl, C₇₋₁₆ aralkyl-thiocarbonyl, C₆₋₁₄ aryloxy-thiocarbonyl, C₇₋₁₆ aralkyloxy-thiocarbonyl, 5- or 6-membered heterocyclic thiocarbonyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a

35 sulfur atom and an oxygen atom in addition to carbon atoms,

thiocarbamoyl, mono-C₁₋₆ alkyl-thiocarbamoyl, di-C₁₋₆ alkyl-thiocarbamoyl, mono-C₆₋₁₄ aryl-thiocarbamoyl, di-C₆₋₁₄ aryl-thiocarbamoyl, 5- or 6-membered heterocyclic thiocarbamoyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, sulfamoyl, mono-C₁₋₆ alkylsulfamoyl, di-C₁₋₆ alkylsulfamoyl, C₆₋₁₄ arylsulfamoyl, C₁₋₆ alkylsulfonyl, C₆₋₁₄ arylsulfonyl, C₁₋₆ alkylsulfinyl, C₆₋₁₄ arylsulfinyl, C₁₋₆ alkoxy sulfinyl, C₆₋₁₄ aryloxy sulfinyl, C₁₋₆ alkoxy sulfonyl and C₆₋₁₄ aryloxy sulfonyl, which may have 1 to 5 substituents selected from Substituent group A described above or (iv') a 5- to 14-membered heterocycle containing 1 to 4 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, which may have 1 to 5 substituents selected from Substituent group A described above, or R¹³ and R¹⁴ may be taken together with the adjacent a nitrogen atom to form a 5- to 14-membered ring), (iv) a C₁₋₆ alkylideneamino group which may have 1 to 5 substituents selected from Substituent group A described above, (v) a C₁₋₆ alkyl group which may have 1 to 5 substituents selected from Substituent group A described above, (vi) a carboxyl group, (vii) a C₁₋₆ alkoxy-carbonyl group which may have 1 to 5 substituents selected from Substituent group A described above, (viii) a C₃₋₈ cycloalkyloxy-carbonyl group which may have 1 to 5 substituents selected from Substituent group A described above, (ix) a C₇₋₁₆ aralkyloxy-carbonyl group which may have 1 to 5 substituents selected from Substituent group A described above, (x) a C₆₋₁₄ aryloxy-carbonyl group which may have 1 to 5 substituents selected from Substituent group A described above, (xi) a carbamoyl group, (xii) a mono-C₁₋₆ alkyl-carbamoyl group which may have 1 to 5 substituents selected from Substituent group A described above, (xiii) a di-C₁₋₆ alkyl-carbamoyl group which may have 1 to 5 substituents selected from Substituent group A described above, (xiv) a mono-C₆₋₁₄ aryl-carbamoyl group which may have 1 to 5 substituents selected from Substituent group A described above, (xv) a di-C₆₋₁₄ aryl-carbamoyl group which may have 1 to 5

substituents selected from Substituent group A described above or (xvi) a nitro group, or R^2 and A or R^1 may be taken together to form a 5- to 14-membered ring containing 1 to 4 hetero atoms selected from a nitrogen atom and an oxygen atom in addition to
 5 carbon atoms, which may have 1 to 5 substituents selected from Substituent group A described above;

each of R^3 and R^4 is any of the following (i) to (iii):

(i) a hydrogen atom,

(ii) a C_{1-6} alkyl group, C_{2-6} alkenyl group, C_{2-6} alkynyl group,
 10 C_{3-8} cycloalkyl group, C_{3-8} cycloalkenyl group, C_{6-14} aryl group or C_{7-16} aralkyl group, each of which may have 1 to 5 substituents selected from Substituent group A described above,

(iii) an acyl group selected from formyl, carboxyl, carbamoyl, C_{1-6} alkyl-carbonyl, C_{3-8} cycloalkyl-carbonyl, C_{1-6} alkoxy-carbonyl,
 15 C_{6-14} aryl-carbonyl, C_{7-16} aralkyl-carbonyl, C_{6-14} aryloxy-carbonyl, C_{7-16} aralkyloxy-carbonyl, 5- or 6-membered heterocyclic carbonyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, mono- C_{1-6} alkyl-carbamoyl, di- C_{1-6} alkyl-carbamoyl, mono- C_{6-14} aryl-
 20 carbamoyl, di- C_{6-14} aryl-carbamoyl, 5- or 6-membered heterocyclic carbamoyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, C_{1-6} alkyl-thiocarbonyl, C_{3-8} cycloalkyl-thiocarbonyl, C_{1-6} alkoxy-thiocarbonyl, C_{6-14} aryl-thiocarbonyl, C_{7-16} aralkyl-thiocarbonyl,
 25 C_{6-14} aryloxy-thiocarbonyl, C_{7-16} aralkyloxy-thiocarbonyl, 5- or 6-membered heterocyclic thiocarbonyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, thiocarbamoyl, mono- C_{1-6} alkyl-thiocarbamoyl, di- C_{1-6} alkyl-thiocarbamoyl, mono- C_{6-14} aryl-
 30 thiocarbamoyl, di- C_{6-14} aryl-thiocarbamoyl, 5- or 6-membered heterocyclic thiocarbamoyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, sulfamoyl, mono- C_{1-6} alkylsulfamoyl, di- C_{1-6} alkylsulfamoyl, C_{6-14} arylsulfamoyl, C_{1-6} alkylsulfonyl, C_{6-14}
 35 arylsulfonyl, C_{1-6} alkylsulfinyl, C_{6-14} arylsulfinyl, sulfinyl, sulfo,

C₁₋₆ alkoxy sulfinyl, C₆₋₁₄ aryloxy sulfinyl, C₁₋₆ alkoxy sulfonyl and C₆₋₁₄ aryloxy sulfonyl, which may have 1 to 5 substituents selected from Substituent group A described above; or

R³ and R⁴ may be taken together with the adjacent carbon atom
 5 to form C₃₋₈ cycloalkane or a 3- to 8-membered heterocycle, which may have respectively 1 to 3 substituents selected from C₁₋₆ alkyl, C₆₋₁₄ aryl, C₇₋₁₆ aralkyl, amino, mono-C₁₋₆ alkylamino, mono-C₆₋₁₄ arylamino, di-C₁₋₆ alkylamino, di-C₆₋₁₄ arylamino and a 4- to 10-membered aromatic heterocyclic group,

10 R⁵ is (i) a hydrogen atom, (ii) a cyano group, (iii) a C₁₋₆ alkyl group, C₂₋₆ alkenyl group, C₂₋₆ alkynyl group, C₃₋₈ cycloalkyl group, C₃₋₈ cycloalkenyl group, C₆₋₁₄ aryl group or C₇₋₁₆ aralkyl group, each of which may have 1 to 5 substituents selected from Substituent group A described above, (iv) an acyl group selected
 15 from formyl, carboxyl, carbamoyl, C₁₋₆ alkyl-carbonyl, C₃₋₈ cycloalkyl-carbonyl, C₁₋₆ alkoxy-carbonyl, C₆₋₁₄ aryl-carbonyl, C₇₋₁₆ aralkyl-carbonyl, C₆₋₁₄ aryloxy-carbonyl, C₇₋₁₆ aralkyloxy-carbonyl, 5- or 6-membered heterocyclic carbonyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen
 20 atom in addition to carbon atoms, mono-C₁₋₆ alkyl-carbamoyl, di-C₁₋₆ alkyl-carbamoyl, mono-C₆₋₁₄ aryl-carbamoyl, di-C₆₋₁₄ aryl-carbamoyl, 5- or 6-membered heterocyclic carbamoyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, C₁₋₆ alkyl-thiocarbonyl, C₃₋₈
 25 cycloalkyl-thiocarbonyl, C₁₋₆ alkoxy-thiocarbonyl, C₆₋₁₄ aryl-thiocarbonyl, C₇₋₁₆ aralkyl-thiocarbonyl, C₆₋₁₄ aryloxy-thiocarbonyl, C₇₋₁₆ aralkyloxy-thiocarbonyl, 5- or 6-membered heterocyclic thiocarbonyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to
 30 carbon atoms, thiocarbamoyl, mono-C₁₋₆ alkyl-thiocarbamoyl, di-C₁₋₆ alkyl-thiocarbamoyl, mono-C₆₋₁₄ aryl-thiocarbamoyl, di-C₆₋₁₄ aryl-thiocarbamoyl, 5- or 6-membered heterocyclic thiocarbamoyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms,
 35 sulfamoyl, mono-C₁₋₆ alkylsulfamoyl, di-C₁₋₆ alkylsulfamoyl, C₆₋₁₄

arylsulfamoyl, C₁₋₆ alkylsulfonyl, C₆₋₁₄ arylsulfonyl, C₁₋₆ alkylsulfinyl, C₆₋₁₄ arylsulfinyl, sulfinio, sulfo, C₁₋₆ alkoxy sulfinyl, C₆₋₁₄ aryloxy sulfinyl, C₁₋₆ alkoxy sulfonyl and C₆₋₁₄ aryloxy sulfonyl, which may have 1 to 5 substituents selected from

5 Substituent group A described above, or (v) a group represented by the formula -OR¹⁵ (R¹⁵ represents (a) a hydrogen atom, (b) a C₁₋₆ alkyl group, C₂₋₆ alkenyl group, C₂₋₆ alkynyl group, C₃₋₈ cycloalkyl group, C₃₋₈ cycloalkenyl group, C₆₋₁₄ aryl group or C₇₋₁₆ aralkyl group, each of which may have 1 to 5 substituents selected from

10 Substituent group A described above, or (c) an acyl group selected from formyl, carbamoyl, C₁₋₆ alkyl-carbonyl, C₃₋₈ cycloalkyl-carbonyl, C₁₋₆ alkoxy-carbonyl, C₆₋₁₄ aryl-carbonyl, C₇₋₁₆ aralkyl-carbonyl, C₆₋₁₄ aryloxy-carbonyl, C₇₋₁₆ aralkyloxy-carbonyl, 5- or 6-membered heterocyclic carbonyl containing 1 to 3 hetero atoms

15 selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, mono-C₁₋₆ alkyl-carbamoyl, di-C₁₋₆ alkyl-carbamoyl, mono-C₆₋₁₄ aryl-carbamoyl, di-C₆₋₁₄ aryl-carbamoyl, 5- or 6-membered heterocyclic carbamoyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in

20 addition to carbon atoms, C₁₋₆ alkyl-thiocarbonyl, C₃₋₈ cycloalkyl-thiocarbonyl, C₁₋₆ alkoxy-thiocarbonyl, C₆₋₁₄ aryl-thiocarbonyl, C₇₋₁₆ aralkyl-thiocarbonyl, C₆₋₁₄ aryloxy-thiocarbonyl, C₇₋₁₆ aralkyloxy-thiocarbonyl, 5- or 6-membered heterocyclic thiocarbonyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a

25 sulfur atom and an oxygen atom in addition to carbon atoms, thiocarbamoyl, mono-C₁₋₆ alkyl-thiocarbamoyl, di-C₁₋₆ alkyl-thiocarbamoyl, mono-C₆₋₁₄ aryl-thiocarbamoyl, di-C₆₋₁₄ aryl-thiocarbamoyl, 5- or 6-membered heterocyclic thiocarbamoyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a

30 sulfur atom and an oxygen atom in addition to carbon atoms, sulfamoyl, mono-C₁₋₆ alkylsulfamoyl, di-C₁₋₆ alkylsulfamoyl, C₆₋₁₄ arylsulfamoyl, C₁₋₆ alkylsulfonyl, C₆₋₁₄ arylsulfonyl, C₁₋₆ alkylsulfinyl, C₆₋₁₄ arylsulfinyl, C₁₋₆ alkoxy sulfinyl, C₆₋₁₄ aryloxy sulfinyl, C₁₋₆ alkoxy sulfonyl and C₆₋₁₄ aryloxy sulfonyl,

35 which may have 1 to 5 substituents selected from Substituent group

A described above),

R^6 is any of the following (i) to (x):

(i) a hydrogen atom,

(ii) a C_{1-6} alkyl group, C_{2-6} alkenyl group, C_{2-6} alkynyl group,
 5 C_{3-8} cycloalkyl group, C_{3-8} cycloalkenyl group, C_{6-14} aryl group or
 C_{7-16} aralkyl group, each of which may have 1 to 5 substituents
 selected from Substituent group A described above,
 (iii) an acyl group selected from formyl, carboxyl, carbamoyl,
 C_{1-6} alkyl-carbonyl, C_{3-8} cycloalkyl-carbonyl, C_{1-6} alkoxy-carbonyl,
 10 C_{6-14} aryl-carbonyl, C_{7-16} aralkyl-carbonyl, C_{6-14} aryloxy-carbonyl,
 C_{7-16} aralkyloxy-carbonyl, 5- or 6-membered heterocyclic carbonyl
 containing 1 to 3 hetero atoms selected from a nitrogen atom, a
 sulfur atom and an oxygen atom in addition to carbon atoms, mono-
 C_{1-6} alkyl-carbamoyl, di- C_{1-6} alkyl-carbamoyl, mono- C_{6-14} aryl-
 15 carbamoyl, di- C_{6-14} aryl-carbamoyl, 5- or 6-membered heterocyclic
 carbamoyl containing 1 to 3 hetero atoms selected from a nitrogen
 atom, a sulfur atom and an oxygen atom in addition to carbon atoms,
 C_{1-6} alkyl-thiocarbonyl, C_{3-8} cycloalkyl-thiocarbonyl, C_{1-6} alkoxy-
 thiocarbonyl, C_{6-14} aryl-thiocarbonyl, C_{7-16} aralkyl-thiocarbonyl,
 20 C_{6-14} aryloxy-thiocarbonyl, C_{7-16} aralkyloxy-thiocarbonyl, 5- or 6-
 membered heterocyclic thiocarbonyl containing 1 to 3 hetero atoms
 selected from a nitrogen atom, a sulfur atom and an oxygen atom in
 addition to carbon atoms, thiocarbamoyl, mono- C_{1-6} alkyl-
 thiocarbamoyl, di- C_{1-6} alkyl-thiocarbamoyl, mono- C_{6-14} aryl-
 25 thiocarbamoyl, di- C_{6-14} aryl-thiocarbamoyl, 5- or 6-membered
 heterocyclic thiocarbamoyl containing 1 to 3 hetero atoms selected
 from a nitrogen atom, a sulfur atom and an oxygen atom in addition
 to carbon atoms, sulfamoyl, mono- C_{1-6} alkylsulfamoyl, di- C_{1-6}
 alkylsulfamoyl, C_{6-14} arylsulfamoyl, C_{1-6} alkylsulfonyl, C_{6-14}
 30 arylsulfonyl, C_{1-6} alkylsulfinyl, C_{6-14} arylsulfinyl, sulfinyl, sulfo,
 C_{1-6} alkoxysulfinyl, C_{6-14} aryloxysulfinyl, C_{1-6} alkoxysulfonyl and
 C_{6-14} aryloxysulfonyl, which may have 1 to 5 substituents selected
 from Substituent group A described above,

(iv) a 5- to 14-membered heterocycle containing 1 to 4 hetero
 35 atoms selected from a nitrogen atom, a sulfur atom and an oxygen

atom in addition to carbon atoms, which may have 1 to 5 substituents selected from Substituent group A described above,

(v) a halogen atom,

(vi) a group represented by the formula $-OR^{16}$ (R^{16} represents

5 (i') a hydrogen atom, (ii') a C_{1-6} alkyl group, C_{2-6} alkenyl group, C_{2-6} alkynyl group, C_{3-8} cycloalkyl group, C_{3-8} cycloalkenyl group, C_{6-14} aryl group or C_{7-16} aralkyl group, each of which may have 1 to 5 substituents selected from Substituent group A described above,

(iii') an acyl group selected from formyl, carbamoyl, C_{1-6} alkyl-

10 carbonyl, C_{3-8} cycloalkyl-carbonyl, C_{1-6} alkoxy-carbonyl, C_{6-14} aryl-carbonyl, C_{7-16} aralkyl-carbonyl, C_{6-14} aryloxy-carbonyl, C_{7-16} aralkyloxy-carbonyl, 5- or 6-membered heterocyclic carbonyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, mono-

15 C_{1-6} alkyl-carbamoyl, di- C_{1-6} alkyl-carbamoyl, mono- C_{6-14} aryl-carbamoyl, di- C_{6-14} aryl-carbamoyl, 5- or 6-membered heterocyclic carbamoyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, C_{1-6} alkyl-thiocarbonyl, C_{3-8} cycloalkyl-thiocarbonyl, C_{1-6} alkoxy-

20 thiocarbonyl, C_{6-14} aryl-thiocarbonyl, C_{7-16} aralkyl-thiocarbonyl, C_{6-14} aryloxy-thiocarbonyl, C_{7-16} aralkyloxy-thiocarbonyl, 5- or 6-membered heterocyclic thiocarbonyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, thiocarbamoyl, mono- C_{1-6} alkyl-

25 thiocarbamoyl, di- C_{1-6} alkyl-thiocarbamoyl, mono- C_{6-14} aryl-thiocarbamoyl, di- C_{6-14} aryl-thiocarbamoyl, 5- or 6-membered heterocyclic thiocarbamoyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, sulfamoyl, mono- C_{1-6} alkylsulfamoyl, di- C_{1-6}

30 alkylsulfamoyl, C_{6-14} arylsulfamoyl, C_{1-6} alkylsulfonyl, C_{6-14} arylsulfonyl, C_{1-6} alkylsulfinyl, C_{6-14} arylsulfinyl, C_{1-6} alkoxysulfinyl, C_{6-14} aryloxysulfinyl, C_{1-6} alkoxysulfonyl and C_{6-14} aryloxysulfonyl, which may have 1 to 5 substituents selected from Substituent group A described above, or (iv') a 5- to 14-membered

35 heterocycle containing 1 to 4 hetero atoms selected from a

nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, which may have 1 to 5 substituents selected from Substituent group A described above),

(vii) a group represented by the formula $-SR^{17}$ (R^{17} represents

5 (i') a hydrogen atom, (ii') a C_{1-6} alkyl group, C_{2-6} alkenyl group, C_{2-6} alkynyl group, C_{3-8} cycloalkyl group, C_{3-8} cycloalkenyl group, C_{6-14} aryl group or C_{7-16} aralkyl group, each of which may have 1 to 5 substituents selected from Substituent group A described above, (iii')

10 an acyl group selected from formyl, carbamoyl, C_{1-6} alkyl-carbonyl, C_{3-8} cycloalkyl-carbonyl, C_{1-6} alkoxy-carbonyl, C_{6-14} aryl-carbonyl, C_{7-16} aralkyl-carbonyl, C_{6-14} aryloxy-carbonyl, C_{7-16} aralkyloxy-carbonyl, 5- or 6-membered heterocyclic carbonyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, mono-

15 C_{1-6} alkyl-carbamoyl, di- C_{1-6} alkyl-carbamoyl, mono- C_{6-14} aryl-carbamoyl, di- C_{6-14} aryl-carbamoyl, 5- or 6-membered heterocyclic carbamoyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, C_{1-6} alkyl-thiocarbonyl, C_{3-8} cycloalkyl-thiocarbonyl, C_{1-6} alkoxy-

20 thiocarbonyl, C_{6-14} aryl-thiocarbonyl, C_{7-16} aralkyl-thiocarbonyl, C_{6-14} aryloxy-thiocarbonyl, C_{7-16} aralkyloxy-thiocarbonyl, 5- or 6-membered heterocyclic thiocarbonyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, thiocarbamoyl, mono- C_{1-6} alkyl-

25 thiocarbamoyl, di- C_{1-6} alkyl-thiocarbamoyl, mono- C_{6-14} aryl-thiocarbamoyl, di- C_{6-14} aryl-thiocarbamoyl, 5- or 6-membered heterocyclic thiocarbamoyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, sulfamoyl, mono- C_{1-6} alkylsulfamoyl, di- C_{1-6}

30 alkylsulfamoyl, C_{6-14} arylsulfamoyl, C_{1-6} alkylsulfonyl, C_{6-14} arylsulfonyl, C_{1-6} alkylsulfinyl, C_{6-14} arylsulfinyl, C_{1-6} alkoxysulfinyl, C_{6-14} aryloxysulfinyl, C_{1-6} alkoxysulfonyl and C_{6-14} aryloxysulfonyl, which may have 1 to 5 substituents selected from Substituent group A described above or (iv') a 5- to 14-membered

35 heterocycle containing 1 to 4 hetero atoms selected from a

nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, which may have 1 to 5 substituents selected from Substituent group A described above),

(viii) a group represented by the formula $-S(O)_r R^{11}$ (R^{11} represents (i') a C_{1-6} alkyl group, C_{2-6} alkenyl group, C_{2-6} alkynyl group, C_{3-8} cycloalkyl group, C_{3-8} cycloalkenyl group, C_{6-14} aryl group or C_{7-16} aralkyl group, each of which may have 1 to 5 substituents selected from Substituent group A described above or (ii') a 5- to 14-membered heterocycle containing 1 to 4 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, which may have 1 to 5 substituents selected from Substituent group A described above and r is 1 or 2) or

(ix) a group represented by the formula $-NR^{18}R^{19}$ (R^{18} and R^{19} each represent (i') a hydrogen atom, (ii') a C_{1-6} alkyl group, C_{2-6} alkenyl group, C_{2-6} alkynyl group, C_{3-8} cycloalkyl group, C_{3-8} cycloalkenyl group, C_{6-14} aryl group or C_{7-16} aralkyl group, each of which may have 1 to 5 substituents selected from Substituent group A described above, (iii') an acyl group selected from formyl, carbamoyl, C_{1-6} alkyl-carbonyl, C_{3-8} cycloalkyl-carbonyl, C_{1-6} alkoxy-carbonyl, C_{6-14} aryl-carbonyl, C_{7-16} aralkyl-carbonyl, C_{6-14} aryloxy-carbonyl, C_{7-16} aralkyloxy-carbonyl, 5- or 6-membered heterocyclic carbonyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, mono- C_{1-6} alkyl-carbamoyl, di- C_{1-6} alkyl-carbamoyl, mono- C_{6-14} aryl-carbamoyl, di- C_{6-14} aryl-carbamoyl, 5- or 6-membered heterocyclic carbamoyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, C_{1-6} alkyl-thiocarbonyl, C_{3-8} cycloalkyl-thiocarbonyl, C_{1-6} alkoxy-thiocarbonyl, C_{6-14} aryl-thiocarbonyl, C_{7-16} aralkyl-thiocarbonyl, C_{6-14} aryloxy-thiocarbonyl, C_{7-16} aralkyloxy-thiocarbonyl, 5- or 6-membered heterocyclic thiocarbonyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, thiocarbamoyl, mono- C_{1-6} alkyl-thiocarbamoyl, di- C_{1-6} alkyl-

thiocarbamoyl, mono-C₆₋₁₄ aryl-thiocarbamoyl, di-C₆₋₁₄ aryl-thiocarbamoyl, 5- or 6-membered heterocyclic thiocarbamoyl containing 1 to 3 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, 5 sulfamoyl, mono-C₁₋₆ alkylsulfamoyl, di-C₁₋₆ alkylsulfamoyl, C₆₋₁₄ arylsulfamoyl, C₁₋₆ alkylsulfonyl, C₆₋₁₄ arylsulfonyl, C₁₋₆ alkylsulfinyl, C₆₋₁₄ arylsulfinyl, C₁₋₆ alkoxy sulfinyl, C₆₋₁₄ aryloxy sulfinyl, C₁₋₆ alkoxy sulfonyl and C₆₋₁₄ aryloxy sulfonyl, which may have 1 to 5 substituents selected from Substituent group 10 A described above or (iv') a 5- to 14-membered heterocycle containing 1 to 4 hetero atoms selected from a nitrogen atom, a sulfur atom and an oxygen atom in addition to carbon atoms, which may have 1 to 5 substituents selected from Substituent group A described above),

15 R⁷ and R⁸ are each (i) a hydrogen atom or (ii) a C₁₋₆ alkyl group, C₂₋₆ alkenyl group, C₂₋₆ alkynyl group, C₃₋₈ cycloalkyl group, C₃₋₈ cycloalkenyl group, C₆₋₁₄ aryl group or C₇₋₁₆ aralkyl group, each of which may have 1 to 5 substituents selected from Substituent group A described above, or R⁷ and R⁸ may be taken together with 20 the adjacent carbon atom to form C₃₋₈ cycloalkane or a 3- to 8-membered heterocycle, which may have respectively 1 to 3 substituents selected from C₁₋₆ alkyl, C₆₋₁₄ aryl, C₇₋₁₆ aralkyl, amino, mono-C₁₋₆ alkylamino, mono-C₆₋₁₄ arylamino, di-C₁₋₆ alkylamino, di-C₆₋₁₄ arylamino and a 4- to 10-membered aromatic heterocyclic 25 group;

R⁹ and R¹⁰ are each (i) a hydrogen atom or (ii) a C₁₋₆ alkyl group, C₂₋₆ alkenyl group, C₂₋₆ alkynyl group, C₃₋₈ cycloalkyl group, C₃₋₈ cycloalkenyl group, C₆₋₁₄ aryl group or C₇₋₁₆ aralkyl group, each of which may have 1 to 5 substituents selected from Substituent 30 group A described above, and

Y is a methylene group which may have 1 or 2 substituents selected from Substituent group A described above.

3. The compound according to claim 1, wherein A is (1) a 35 bond, (2) a group represented by the formula -CR^a=CR^b- (R^a and R^b

each represent a hydrogen atom or a C₁₋₆ alkyl group), (3) a group represented by the formula $-(\text{CONH})_p-(\text{C}(\text{R}^c)(\text{R}^d))_q-$ (R^c and R^d each represent a hydrogen atom or a C₁₋₆ alkyl group, p represents 0 or 1 and q represents 1 or 2), (4) a group represented by the
 5 formula $-\text{CH}_2\text{OCH}_2-$ or (5) a group represented by the formula $-\text{OCH}_2-$,

R¹ is (1) a cyano group, (2) a carboxyl group, (3) a C₁₋₆ alkoxy carbonyl group, (4) a carbamoyl group or (5) an N-mono-C₁₋₆ alkyl carbamoyl group,

R² is (1) a hydrogen atom, (2) a hydroxy group, (3) a C₁₋₆
 10 alkoxy group, (4) a C₇₋₁₆ aralkyloxy group, (5) an amino group, (6) a mono-C₁₋₆ alkylamino group which may have one substituent selected from carboxyl, carbamoyl, quinolyl, phenoxy and pyridyl, (7) a mono-C₇₋₁₆ aralkylamino group which may have one substituent selected from a halogen atom, cyano, C₁₋₆ alkoxy, carboxyl and C₁₋₆
 15 alkoxy carbonyl, (8) a mono-C₆₋₁₄ arylamino group, (9) a mono-C₁₋₆ alkyl carbonylamino group which may have 1 to 3 substituents selected from a halogen atom, thienyl and C₁₋₆ alkoxy carbonyl-C₁₋₆ alkylthio, (10) a mono-C₁₋₆ alkylsulfonylamino group, (11) a mono-C₆₋₁₄ aryl carbonylamino group which may have one substituent
 20 selected from C₁₋₆ alkoxy and C₁₋₆ alkyl carbonylamino, (12) a quinolyl carbonylamino group, (13) a pyridyl carbonylamino group which may have 1 or 2 halogen atoms, (14) an indolyl carbonylamino group, (15) a N-C₁₋₆ alkyl-N-C₁₋₆ alkyl carbonylamino group which may have 1 to 4 substituents selected from a halogen atom, C₁₋₆
 25 alkoxy carbonyl and quinolyl, (16) a N-C₁₋₆ alkyl carbonyl-N-C₇₋₁₆ aralkylamino group which may have 1 to 3 halogens, (17) a N-C₁₋₆ alkyl-N-pyridyl carbonylamino group, (18) a C₁₋₆ alkylideneamino group which may have one di-C₁₋₆ alkylamino, (19) a mono-C₁₋₆ alkylureido group which may have one C₁₋₆ alkoxy carbonyl, (20) a
 30 di-C₁₋₆ alkylureido, (21) a mono-C₆₋₁₄ arylureido group, (22) a 1-imidazolidinyl group which may have 1 to 3 substituents selected from C₁₋₆ alkyl and oxo, (23) a C₁₋₆ alkyl group, (24) a C₁₋₆ alkoxy carbonyl group, (25) a nitro group or (26) a 1-pyrrolidinyl group, or

35 R² and A or R¹ may be taken together with the adjacent carbon atom

to form a nitrogen-containing 5- to 7-membered ring which may have 1 to 3 substituents selected from (1) a hydroxy group, (2) C₁₋₆ alkyl which may have one C₁₋₆ alkoxy-carbonyl, (3) C₇₋₁₆ aralkyl, (4) C₆₋₁₄ aryl and (5) oxo,

5 R³ and R⁴ are each a C₁₋₆ alkyl group,

R⁵ is a hydrogen atom,

R⁶ is a C₁₋₆ alkoxy group,

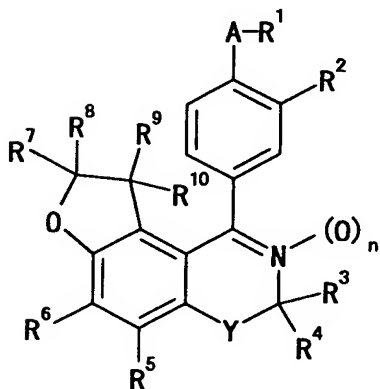
R⁷ and R⁸ are each a C₁₋₆ alkyl group,

R⁹ and R¹⁰ are each a hydrogen atom,

10 Y is a methylene group and

n is 0.

4. A compound represented by the formula



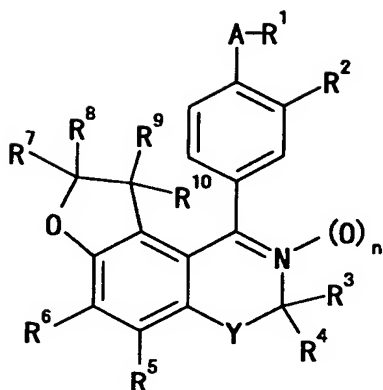
15 wherein A is (1) a bond, (2) a group represented by the formula -CH=CH-, (3) a group represented by the formula -CONH-C(R^c)(R^d)- (R^c and R^d are each a hydrogen atom or a C₁₋₆ alkyl group), or (4) a group represented by the formula -OCH₂-,

R¹ is (1) a cyano group, (2) a carboxyl group, (3) a C₁₋₆ alkoxy-carbonyl group, (4) a carbamoyl group or (5) an N-mono-C₁₋₆ alkylcarbamoyl group,

R² is (1) a hydroxy group, (2) a C₁₋₆ alkoxy group, (3) a C₇₋₁₆ aralkyloxy group, (4) an amino group, (5) a mono-C₁₋₆ alkylamino group which may have one substituent selected from carboxyl, carbamoyl, quinolyl, phenoxy and pyridyl, (6) a mono-C₇₋₁₆ aralkylamino group which may have one substituent selected from a halogen atom, cyano, C₁₋₆ alkoxy, carboxyl and C₁₋₆ alkoxy-carbonyl,

- (7) a mono-C₆₋₁₄ arylamino group, (8) a mono-C₁₋₆ alkylcarbonylamino group which may have 1 to 3 substituents selected from a halogen atom, thienyl and C₁₋₆ alkoxy-carbonyl-C₁₋₆ alkylthio, (9) a mono-C₁₋₆ alkylsulfonylamino group, (10) a mono-C₆₋₁₄ arylcarbonylamino group which may have one substituent selected from C₁₋₆ alkoxy and C₁₋₆ alkylcarbonylamino, (11) a quinolylcarbonylamino group, (12) a pyridylcarbonylamino group which may have 1 or 2 halogen atoms, (13) an indolylcarbonylamino group, (14) a N-C₁₋₆ alkyl-N-C₁₋₆ alkylcarbonylamino group which may have 1 to 4 substituents selected from a halogen atom, C₁₋₆ alkoxy-carbonyl and quinolyl, (15) a N-C₁₋₆ alkylcarbonyl-N-C₇₋₁₆ aralkylamino group which may have 1 to 3 halogens, (16) a N-C₁₋₆ alkyl-N-pyridylcarbonylamino group, (17) a C₁₋₆ alkylideneamino group which may have one di-C₁₋₆ alkylamino, (18) a mono-C₁₋₆ alkylureido group which may have one C₁₋₆ alkoxy-carbonyl, (19) a di-C₁₋₆ alkylureido group, (20) a mono-C₆₋₁₄ arylureido group, (21) a 1-imidazolidinyl group which may have 1 to 3 substituents selected from C₁₋₆ alkyl and oxo, (22) a C₁₋₆ alkyl group, (23) a C₁₋₆ alkoxy-carbonyl group, (24) a nitro group or (25) a 1-pyrrolidinyl group, or R² and A or R¹ may be taken together with the adjacent carbon atom to form a nitrogen-containing 5- to 7-membered ring which may have 1 to 3 substituents selected from (1) a hydroxy group, (2) a C₁₋₆ alkyl group which may have one C₁₋₆ alkoxy-carbonyl, (3) a C₇₋₁₆ aralkyl group, (4) a C₆₋₁₄ aryl group and (5) an oxo group,
- R³ and R⁴ are each a C₁₋₆ alkyl group,
 R⁵ is a hydrogen atom,
 R⁶ is a C₂₋₆ alkoxy group,
 R⁷ and R⁸ are each a C₁₋₆ alkyl group,
 R⁹ and R¹⁰ are each a hydrogen atom,
 Y is a methylene group, and
 n is 0, or a salt thereof.

5. A compound represented by the formula



wherein A is (1) a group represented by the formula $-\text{CR}^a=\text{CR}^b-$ (R^a and R^b are each a hydrogen atom or a C_{1-6} alkyl group), (2) a group represented by the formula $-(\text{CONH})_p-(\text{C}(\text{R}^c)(\text{R}^d))_q-$ (R^c and R^d are each a hydrogen atom or a C_{1-6} alkyl group, p is 0 or 1 and q is 1 or 2), (3) a group represented by the formula $-\text{CH}_2\text{OCH}_2-$ or (4) a group represented by the formula $-\text{OCH}_2-$,

R^1 is (1) a carboxyl group, (2) a C_{1-6} alkoxy carbonyl group, (3) an N-mono- C_{1-6} alkyl carbamoyl group or (4) a carbamoyl group,

R^2 is a hydrogen atom,

R^3 and R^4 are each a C_{1-6} alkyl group,

R^5 is a hydrogen atom,

R^6 is a C_{2-6} alkoxy group,

R^7 and R^8 are each a C_{1-6} alkyl group,

R^9 and R^{10} are each a hydrogen atom,

Y is a methylene group, and

n is 0, or a salt thereof.

6. The compound according to claim 4, wherein A is (1) a bond or (2) a group represented by the formula $-\text{CH}=\text{CH}-$.

7. The compound according to claim 5, wherein A is (1) a group represented by the formula $-\text{CH}=\text{CH}-$, (2) a group represented by the formula $-(\text{C}(\text{R}^c)(\text{R}^d))-$ (R^c and R^d each represent a hydrogen atom or a C_{1-6} alkyl group) or (3) a group represented by the formula $-\text{CH}_2\text{OCH}_2-$.

8. The compound according to claim 4, wherein R¹ is a carboxyl group or a carbamoyl group.

9. The compound according to claim 5, wherein R¹ is a carboxyl group.

10. The compound according to claim 4, wherein R² is (1) a C₁₋₆ alkoxy group, (2) a mono-C₁₋₆ alkylamino group, (3) a mono-C₇₋₁₆ aralkylamino group, (4) a quinolylcarbonylamino group or (5) a pyridylcarbonylamino group.

11. The compound according to claim 4 or 5, wherein R³ and R⁴ are each methyl.

12. The compound according to claim 4 or 5, wherein R⁶ is ethoxy.

13. The compound according to claim 4 or 5, wherein R⁷ and R⁸ are each methyl.

20

14. The compound according to claim 4, which is 4-(6-ethoxy-3,4,8,9-tetrahydro-3,3,8,8-tetramethylfuro[2,3-h]isoquinolin-1-yl)-2-[(phenylmethyl)amino]benzoic acid, 4-(6-ethoxy-3,4,8,9-tetrahydro-3,3,8,8-tetramethylfuro[2,3-h]isoquinolin-1-yl)-2-(ethylamino)benzoic acid, (E)-3-[4-(6-ethoxy-3,4,8,9-tetrahydro-3,3,8,8-tetramethylfuro[2,3-h]isoquinolin-1-yl)-2-methoxyphenyl]-2-propenoic acid, 4-(6-ethoxy-3,4,8,9-tetrahydro-3,3,8,8-tetramethylfuro[2,3-h]isoquinolin-1-yl)-2-[(2-quinolinylcarbonyl)amino]benzoic acid, 4-(6-ethoxy-3,4,8,9-tetrahydro-3,3,8,8-tetramethylfuro[2,3-h]isoquinolin-1-yl)-2-[(2-pyridinylcarbonyl)amino]benzene acetic acid, N-[2-(aminocarbonyl)-5-(6-ethoxy-3,4,8,9-tetrahydro-3,3,8,8-tetramethylfuro[2,3-h]isoquinolin-1-yl)phenyl]-2-pyridinecarboxamide or a salt thereof.

15. The compound according to claim 5, which is [[4-(6-

ethoxy-3,4,8,9-tetrahydro-3,3,8,8-tetramethylfuro[2,3-h]isoquinolin-1-yl)phenyl]methoxy]acetic acid, 4-(6-ethoxy-3,4,8,9-tetrahydro-3,3,8,8-tetramethylfuro[2,3-h]isoquinolin-1-yl)- α,α -dimethylbenzene acetic acid or a salt thereof.

5

16. The pharmaceutical composition comprising the compound according to claim 1 or a prodrug thereof.

17. The pharmaceutical composition according to claim 16,
10 which is a phosphodiesterase IV inhibitor.

18. The pharmaceutical composition according to claim 16,
which is a prophylactic and/or therapeutic agent against
inflammatory diseases, atopic dermatitis, allergic rhinitis,
15 asthma, chronic obstructive pulmonary diseases, chronic rheumatoid
arthritis, autoimmune diseases, depression, Alzheimer's dementia,
memory disorders, osteoporosis, diabetes or atherosclerosis.

19. A method of inhibiting phosphodiesterase IV, which
20 comprises administering to a mammal an effective amount of the
compound according to claim 1 or a prodrug thereof.

20. A method of preventing and/or treating inflammatory
diseases, atopic dermatitis, allergic rhinitis, asthma, chronic
25 obstructive pulmonary diseases, chronic rheumatoid arthritis,
autoimmune diseases, depression, Alzheimer's dementia, memory
disorders, osteoporosis, diabetes or atherosclerosis, which
comprises administering to a mammal an effective amount of the
compound according to claim 1 or a prodrug thereof.

30

21. Use of the compound according to claim 1 or a prodrug
thereof for manufacturing a phosphodiesterase IV inhibitor.

22. Use of the compound according to claim 1 or a prodrug
35 thereof for manufacturing a prophylactic and/or therapeutic agent

against inflammatory diseases, atopic dermatitis, allergic rhinitis, asthma, chronic obstructive pulmonary diseases, chronic rheumatoid arthritis, autoimmune diseases, depression, Alzheimer's dementia, memory disorders, osteoporosis, diabetes or
5 atherosclerosis.